

State of North Carolina  
Department of Environment,  
Health and Natural Resources  
Division of Solid Waste Management



James B. Hunt, Jr., Governor  
Jonathan B. Howes, Secretary  
William L. Meyer, Director

April 16, 1996

Mr. Ron Dauenhauer  
Wilkes County Solid Waste Director  
110 North Street  
Wilkesboro, NC 28697

Fac/Perm/Co ID #	Date	Doc ID#
97-02	07/29/2011	DIN/4597

RE: Closure of the Dan Johnson Landfill; Permit #97-02.

Dear Mr. Dauenhauer,

I reviewed the monitoring well construction records forwarded by your office after my site visit. The Solid Waste Section has determined that additional routine detection monitoring wells are not needed at the Dan Johnson Landfill at this time. A new Closure Letter for the facility is attached. It supersedes the Closure Letter issued on December 29, 1995, which required an upgrade of the existing monitoring system as a condition of closure.

Please note that the Closure Letter shall become effective upon written notification by the County that the facility shall be maintained in compliance with the post-closure conditions specified in the Closure Letter.

If you have any questions, please contact me at the Solid Waste Section, (919) 733-0692, ext. 342.

Sincerely,

Jim Bateson  
Hydrogeologist  
Solid Waste Section

cc: Bobby Lutfy; Solid Waste Section  
Matt Gantt; "  
Phil Prete; "  
Julian Foscue; "

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April 23, 1996

Mr. Cecil Wood, County Manager  
Wilkes County  
110 North Street  
Wilkesboro, NC 28697

SUBJECT: Closure of the Wilkes County Landfill (Dan Johnson Site)  
**FACILITY PERMIT #97-02**

Dear Mr. Wood:

The Solid Waste Section (the Section) has received and reviewed documentation submitted by your consultant, Municipal Engineering, on your behalf regarding the subject facility. Based on this documentation, the Section has determined that the subject facility has been closed in accordance with the applicable requirements. This determination may be rescinded should any of the documentation prove to be inaccurate.

The subject facility is considered closed subject to the following post closure conditions. The owner and/or operator of the facility, Wilkes County, is responsible for compliance with these conditions. Condition #8 addresses continued water quality monitoring for the existing ground water monitoring system.

**Please note, that this closure shall become effective upon written notification by the owner/operator that the facility shall be maintained in compliance with the post closure conditions specified in this letter.** Rule .0510 also states that when a disposal unit is closed, the permit to operate that unit is terminated and any future disposal operations will require approval by the Section.

**POST CLOSURE CONDITIONS**

1. **MANAGEMENT OF LANDFILL GAS:** The owner and/or operator shall take the measures necessary to ensure that the closed site shall continue to meet the design standards for landfill gas found in Rule .0503(2)(a).
2. **MANAGEMENT OF SURFACE WATER:** The owner and/or operator shall take the measures necessary to ensure that the closed site shall meet the requirements of Rule .0503(2)(c). In addition, the landfill unit shall be maintained such that surface water runoff occurs in a controlled manner, and surface water shall not be impounded over waste.
3. **AIR QUALITY:** The owner/operator shall ensure that landfill units do not violate any applicable requirements developed under a State Implementation Plan approved or promulgated by the U.S. EPA Administrator pursuant to Section 110 of the Clean Air Act, as amended.
4. **FINAL COVER SYSTEM:** The integrity and effectiveness of the final cover system and any permanent erosion control devices must be maintained. This could include making repairs to the cover as necessary to correct the effects of settlement, subsidence, erosion, or other events.
5. **PROPOSED USES:** The owner/operator shall submit a proposal for the Section's review and approval addressing post closures uses of the facility. Proposed post closure uses shall not violate any post closure conditions found in this letter. In particular, plans for post closure uses shall avoid possibilities for the entrapment of methane gas. Routine landfill gas monitoring within structures and at the facility boundary may not be sufficient to detect potentially dangerous situations.
6. **ONGOING SOLID WASTE MANAGEMENT ACTIVITIES:** Continuing solid waste management activities (e.g. yardwaste composting, scrap tire collection, solid waste transfer) shall not violate any post closure conditions found in this letter, and must meet any other applicable requirements.
7. **RECORDATION:** The owner/operator shall ensure that the recordation requirements for land disposal sites found in Rule .0204 are met.

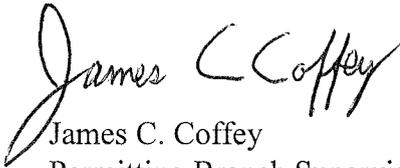
**8. WATER QUALITY MONITORING AND REPORTING REQUIREMENTS:**

- a. Groundwater quality at this facility is subject to the "Classification and Water Quality Standards Applicable to the Groundwaters of North Carolina," 15A NCAC 2L. This includes, but is not limited to, the provisions for detection monitoring, assessment, and corrective action.
- b. The permittee shall sample the detection monitoring wells and surface water sampling location(s) at a minimum on a semi-annual basis.
- c. Water quality detection monitoring shall continue for a minimum of five years from the date of the Sections's receipt of the owner/operator's notification that the facility will be maintained in compliance with the post-closure conditions specified in this letter. After five years the Sections will determine if further monitoring is to be required.
- d. Sampling equipment and methods shall conform to specifications in Attachment 1, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities." The sampling parameters and methods shall be those found in Attachment 2, "Sampling and Analysis Requirements for Construction and Demolition Landfills and Closed Sanitary Landfills", or an alternate list of sampling parameters as approved by the Solid Waste Section.
- e. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the sampling events and analytical data shall be submitted to the Section in a timely manner.
- f. Past ground water quality data for this facility indicates that Groundwater Quality Standards have been exceeded for some chemical constituents. Additional water quality assessment may be necessary in the future. Until such time, Wilkes County will continue to monitor and sample ground water consistent with Conditions b, c, and d of this section.

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Wilkes County  
Closure Letter  
April 23, 1996

If there are questions regarding this closure letter please contact me at (919) 733-0692.

Sincerely,

A handwritten signature in cursive script that reads "James C. Coffey". The signature is written in black ink and is positioned above the printed name.

James C. Coffey  
Permitting Branch Supervisor  
Solid Waste Section

cc: Phil Prete  
Julian Foscue  
Central Files